

IN THE CLAIMS:

Amendments to the Claims

Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1-3 (canceled)

4. (currently amended) ~~The~~ A display apparatus for executing a display corresponding to display data to be inputted from the outside, comprising:

a display panel,

a light-source for illuminating said display panel, and

a controlling circuit for controlling light-emission luminance of said light-source irrespective of red, green and blue data of said display data, said controlling circuit switching said light-source between a 1st light-emission luminance and 2nd light-emission luminance during one period for updating said display data to said display, and said controlling circuit changing a time ratio of said 1st light-emission luminance and that of said 2nd light-emission luminance during said one period in accordance with said display data,

wherein said time having said 1st light-emission luminance is longer than said time having said 2nd light-emission luminance, said controlling circuit controlling said time ratio of said 1st light-emission luminance in said one period to be 50 % or smaller when said display data is a motion-frame picture, and to be 50 % or larger when said display data is a freeze-frame picture.

5. (previously presented) The display apparatus as claimed in Claim 4, wherein said 2nd light-emission luminance is equal to substantially 0.

6. (currently amended) ~~The~~A display apparatus for executing a display corresponding to display data to be inputted from the outside, comprising:

- a display panel,
- a light-source for illuminating said display panel, and
- a controlling circuit for controlling light-emission luminance of said light-source irrespective of red, green and blue data of said display data, said controlling circuit switching said light-source between a 1st light-emission luminance and 2nd light-emission luminance during one period for updating said display data to said display, and said controlling circuit changing a time ratio of said 1st light-emission luminance and that of said 2nd light-emission luminance during said one period in accordance with said display data,

wherein said controlling circuit comprises:

- a data storing unit for storing said display data by the amount of at least 1 frame,
- a data comparing unit for comparing corresponding pixels between said display data stored in said data storing unit and said display data to be inputted, and
- a pulse controlling unit for outputting a signal in correspondence with a comparison result by said data comparing unit, said signal controlling said time ratio of said 1st light-emission luminance in said one period.

7. (previously presented) The display apparatus as claimed in Claim 6, wherein said data storing unit employs, as a comparison pixel, a portion of all the pixels on said display panel so as to store said display data into said comparison pixel, said data comparing unit comparing said pixel data stored into said comparison pixel with said pixel data of said inputted data corresponding thereto.

8. (previously presented) The display apparatus as claimed in Claim 7, wherein said comparison pixel is located at a predetermined position in a display unit of said display panel.

Claims 9-11 (canceled)

12. (currently amended) The A display apparatus for executing a display in correspondence with inputted display data, comprising:

a display panel,

a plurality of light-sources illuminating said display panel, and

a controlling circuit for controlling light-emission luminance of said light-sources irrespective of red, green and blue data of said display data, said controlling circuit switching said light-source between a 1st light-emission luminance and 2nd light-emission luminance during one period for updating said display data to said display, and said controlling circuit changing a starting time of said 1st light-emission luminance and that of said 2nd light-emission luminance during said one period in accordance with said display data,

wherein said controlling circuit outputs a signal so that a time-period of said 2nd light-emission luminance will start immediately after a writing of said display data in a region has been terminated, said signal indicating said starting time and a time-period of said 1st light-emission luminance, said display data being varied most in said region among respective display regions on said display panel, said respective display regions corresponding to said plurality of light-sources.

13. (previously presented) The display apparatus as claimed in Claim 12, wherein said 2nd light-emission luminance is equal to substantially 0.

14. (previously presented) A display apparatus for executing a display in correspondence with display data to be inputted, comprising:

a display panel,

a light-source for illuminating said liquid crystal panel,

a luminance distribution detection controlling circuit for detecting, in accordance with said image data to be inputted, luminance distribution data by the amount of at least 1 frame of said image data, and

a tone controlling circuit for updating a set value in at least 1 specified tone position in accordance with said luminance distribution data, and for determining a tone characteristic between said updated respective set values on a 1-frame basis with the use of a predetermined arithmetic-calculation formula.

15. (previously presented) The display apparatus as claimed in Claim 14, wherein the number of said specified tones and a spacing between said set tones, which are updated on the 1-frame basis with respect to a tone region, are settable values.

16. (previously presented) A display apparatus for executing a display in correspondence with image data to be inputted, comprising:

a display panel,

a light-source for illuminating said display panel,

a luminance distribution detection controlling circuit for detecting, in accordance with said image data to be inputted, luminance distribution data by the amount of at least 1 frame of said image data, and

a light-source controlling circuit for controlling at least either of a light-emission time-period and a light-emission time of said light-source in accordance with said luminance distribution data.

17. (previously presented) The display apparatus as claimed in Claim 16, wherein said light-source controlling circuit controls at least either of a pulse-width duty and a phase of a blink waveform for controlling said light-emission of said light-source.

18. (previously presented) The display apparatus as claimed in Claim 16, wherein said light-source controlling circuit controls at least either of a pulse-width duty and a phase of a light-dimmer waveform for controlling said light-emission of said light-source.

19. (previously presented) The display apparatus as claimed in Claim 16, wherein said light-source controlling circuit controls said light-source light-emission time so that a light-source light-emission time for displaying image data becomes longer than a light-source light-emission time for displaying relatively darker image data, said image data being relatively brighter than predetermined image data.

Claims 20 and 21 (canceled)

22. (previously presented) The display apparatus as claimed in claim 14, wherein the display apparatus is a liquid crystal display apparatus, and said display panel is a liquid crystal display panel.

23. (previously presented) The display apparatus as claimed in claim 16, wherein the display apparatus is a liquid crystal display apparatus, and said display panel is a liquid crystal display panel.

Claims 24-25 (Canceled)

26. (new) The display apparatus as claimed in claim 12, wherein said controlling circuit controls a time ratio of said 1st light-emission luminance in said one period to be 50% or smaller when said display data is a motion-frame picture, and to be 50% or larger when said display data is a freeze-frame picture.

27. (new) The display apparatus for executing a display corresponding to the display data to be inputted from the outside, comprising:

a display panel;

a light-source for illuminating said display panel; and

a controlling circuit for controlling light-emission luminance of said light-source irrespective of red, green and blue data of said display data, said controlling circuit switching said light-source between a 1st light-emission luminance and a 2nd light-emission luminance during on period for updating said display data to said display, and said controlling circuit changing a time ratio of said 1st light-emission luminance and that of said 2nd light-emission luminance during said one period in accordance with a difference between current display data to be inputted and one frame preceding said current display data.